

CLAIMS

We claim:

1. A method of nonlinear calibration of halftone screen, comprising:
 - (a) generating an original halftone screen table;
 - 5 (b) setting a plurality of function parameters and apply to a gamma function;
 - (c) recalculating the gray levels of the original halftone screen table to generate a new halftone screen table by the gamma function; and
 - (d) generating a printout with the new halftone screen table and measuring the optical density of the printout.
- 10 2. The method of nonlinear calibration of halftone screen of claim 1, wherein the function parameters are for printer apparatus.
3. The method of nonlinear calibration of halftone screen of claim 1, wherein the function parameters are for mono mode printing apparatus halftone screen table tuning.
- 15 4. The method of nonlinear calibration of halftone screen of claim 1, wherein the original halftone screen table is a cluster-dot-order (AM) halftone screen table.